Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Sunday 10 Dec 2023 until 23:59 on Monday 11 Dec 2023

Forecast Issued on Sunday 10 Dec 2023 at 03:43

Confidence: High for the prevailing unsettled theme, but lower for detail of windier spells in particular.

Headline for Sunday 10 Dec 2023: Fine at first wet and windy through lunchtime. Brighter but more showery later, with a small chance of thunder as winds increase.

Mountain weather hazards on Sunday 10 Dec 2023

Blizzards
No Likelihood

Gales
Low Likelihood

Thunderstorms
Low Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Low Likelihood

Heavy persistent rain
Low Likelihood

Storm force winds
No Likelihood

Poor visibility
Medium Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Cloudy	Heavy Rain	Light rain	Heavy rain showers (night)	Heavy Rain
Precipitation probability					
10%	10%	90%	30%	40%	80%

Forecast for Sunday 10 Dec 2023

Weather: Brightest first thing, with some brief sunny spells possible before invading cloud brings a swathe of rain from the west later in the morning. This will be heavy through lunchtime, eventually clearing east to perhaps allow some further late sunny spells, although becoming windy by this time, with blustery heavy showers culminating in more pervasive heavy rain and perhaps summit gales into the evening.

Chance of cloud-free hill tops above 600m: 60% early morning, otherwise 20%

Low cloud and visibility: Good, becoming moderate or poor in rain, very poor within cloud with bases generally extensive from 500m from mid-morning.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Sunday 10 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	23/29 W	14/17 S	22/28 SE	26/35 SW	26/36 SW	28/37 SW	26/36 SW
300	16/24 SW	9/15 S	17/25 SE	19/28 SW	19/28 SW	21/31 SW	21/31 SW
Valley	9/22 W	4/13 SE	10/24 SE	11/27 SW	9/24 SW	12/28 SW	14/29 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-2	4/-0	3/-2	6/1	5/-1	4/-2	5/-1
300	5/1	6/3	6/1	8/4	7/3	7/2	7/2
Valley	6/3	5/4	6/3	8/6	7/4	7/4	7/4
Freezing Level*	1100m	1100m	1600m	1500m	1300m	1400m	1400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Activities best conducted early on, ahead of successive wet periods with poor visibility and strong winds.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sun 10 Dec 2023	33.6mm	40.8mm	53.4mm

Forecast for Monday 11 Dec 2023

Weather: Brighter spells and only a few light showers by day, but chance of some rain for a time early morning also moving into the evening, with some heavier outbreaks developing into the night.

Maximum wind: West 20mph easing variable 15mph or less from late morning

Chance of cloud-free hill tops above 600m: 85% by day

Low cloud and visibility: Generally good, becoming moderate or poor in rain or showers, very poor within cloud infrequently lowering to 600m.

Temperature: **Valleys:** Zero Celsius increasing 10 Celsius for the afternoon
At 600m: Plus 3 Celsius
Freezing level: Above summits

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